



PATENT
Attorney Docket No.: 019633-000118US
Client Reference No.: NRC00072.1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

GILBERT and WAKARCHUK

Application No.: 10/735,419

Filed: December 11, 2003

For: NUCLEIC ACIDS ENCODING
SIALYTRANSFERASES FROM C.
JEJUNI

Customer No. 20350 /

Confirmation No. 2617

Examiner: Unassigned

Art Unit: 1652

INFORMATION DISCLOSURE
STATEMENT UNDER 37 CFR §1.97 and
§1.98

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

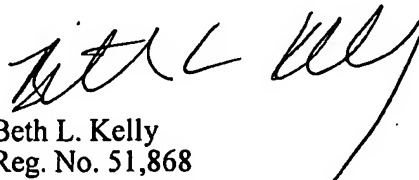
The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. In accordance with 37 CFR §1.98(d), copies of the references can be found in Application No. 09/816,028, filed March 21, 2001 (Attorney Docket No. 019633-000111US). The references cited as BA-BC are enclosed herein. It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement.
However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,

Dated: May 6, 2004



Beth L. Kelly
Reg. No. 51,868

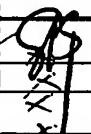
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60120153 v1

PATENT & TRADEMARK OFFICE
MAY 10 2004

PTO/SB/08A (08-03)

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/735,419
				Filing Date	December 11, 2003
				First Named Inventor	Gilbert, Michel
				Art Unit	1652
				Examiner Name	Unassigned
Sheet	1	of	3	Attorney Docket Number	019633-000118US

U.S. PATENT DOCUMENTS+						
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Number Kind Code ² (if known)				
	AA	US-5,352,670	10-04-1984	Venot et al.		
	AB	US-5,374,541	12-20-1984	Wong et al.		
	AC	US-5,545,553	08-13-1996	Gotschlich		

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
	AD	WO	92/16640		10-01-1992	The Scripps Research Institute		<input type="checkbox"/>
	AE	WO	96/32491		10-17-1996	Cytel Corp.		<input type="checkbox"/>
	AF	WO	99/49051	A1	09-30-1999	National Research Council of Canada		<input type="checkbox"/>
	AG	WO	00/46379	A1	08-10-2000	Gilbert et al.		<input type="checkbox"/>

x Did not receive

Examiner Signature		Date Considered	9/17/2005
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.
60120153 v1



PTO/SB/08B (08-03)

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		Examiner Name	Unassigned		
Sheet	2	of	3	Attorney Docket Number	019633-000118US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
JS	AH	ASPINALL et al.; "Chemical Structures of the Core Regions of <i>Campylobacter</i> Jejuni Serotypes O:1, O:4, O:23, and O:36 Lipopolysaccharides"; <i>European Journal of Biochemistry</i> ; May, 1993; pp. 1017-1027; Vol. 213, No.3.	
X	AI	ASPINALL et al.; "Lipopolysaccharides from <i>Campylobacter jejuni</i> Associated with Guillain-Barre Syndrome Patients Mimic Human Gangliosides in Structure"; <i>Infect. Immun.</i> ; 1994a; pp. 2122-2125; Vol. 62.	
X	AJ	ASPINALL et al.; "Lipopolysaccharides of <i>Campylobacter jejuni</i> Serotype O:19: Structures of Core Oligosaccharide Regions from the Serostrain and Two Bacterial Isolates from Patients with the Guillain-Barre Syndrome"; <i>Biochemistry</i> ; 1994b; pp. 241-249; Vol. 33.	
X	AK	ASPINALL et al.; "Lipopolysaccharides of <i>Campylobacter jejuni</i> Serotype O:19: Antigen Chains from the Serostrain and Two Bacterial Isolates from Patients with the Guillain-Barre Syndrome"; <i>Biochemistry</i> ; 1994c; pp. 250-255; Vol. 33.	
X	AL	BELUNIS et al.; "Biosynthesis of Endotoxin"; <i>J. Biol. Chem.</i> ; 1992; pp. 9988-9997; Vol. 267.	
X	AM	GAUDINO et al.; "A Novel and Efficient Synthesis of Neolacto Series Gangliosides 3'-nLM ₁ and 6'-nLM ₁ "; <i>J. Am. Chem. Soc.</i> ; 1994; pp. 1149-1150; Vol. 116.	
X	AN	GILBERT et al.; "Biosynthesis of Ganglioside Mimics in <i>Campylobacter jejuni</i> OH4384"; <i>The Journal of Biological Chemistry</i> ; February 11, 2000; pp. 2896-3906; Vol. 275, No. 6; The American Society for Biochemistry and Molecular Biology, Inc.; USA.	
X	AO	GILBERT et al.; "Cloning of the Lipooligosaccharide α -2,3-Sialyltransferase from the Bacterial Pathogens <i>Neisseria meningitidis</i> and <i>Neisseria gonorrhoeae</i> "; <i>J. Biol. Chem.</i> ; 1996; pp. 28271-28276; Vol. 271.	
X	AP	GILBERT et al.; EMBL Acc# AY044868 2002. Alignment with SEQ ID NO: 3.	
X	AQ	ITO et al.; "Synthesis of Bioactive Sialosides"; <i>Pure Appl. Chem.</i> ; 1993; p. 753; Vol. 65.	
X	AR	KUROKI; "Campylobacter jejuni Strains from Patients with Guillain-Barre Syndrome Belong Mostly to Penner Serogroup 19 Contain β -N-Acetylglucosamine Residues"; <i>Ann. Neurol.</i> ; 1993; pp. 243-247; Vol. 33.	
	AS	PARKHILL et al.; "The Genome Sequence of the Food-Borne Pathogen <i>Campylobacter jejuni</i> Reveals Hypervariable Sequences"; <i>Nature</i> ; February 10, 2000; pp. 665-668; Vol. 403.	
X	AT	PENNER et al.; "Diversity of Lipopolysaccharide Structures in <i>Campylobacter jejuni</i> "; <i>The Journal of Infectious Diseases</i> ; December, 1997; pp. S135-S138; Vol. 176, No. 2.	
X	AU	PRENDERGAST et al.; "Lipopolysaccharides from <i>Campylobacter jejuni</i> O:41 Strains Associated with Guillain-Barre Syndrome Exhibit Mimicry of GM1 Ganglioside"; <i>Infection and Immunity</i> ; August 1998; pp. 3649-3677; Vol. 66, No. 8.	
X	AV	PRESTON et al.; "The Lipooligosaccharides of Pathogenic Gram-Negative Bacteria"; <i>Critical Reviews in Microbiology</i> ; 1998; pp. 139-180; Vol. 22, No. 3.	
X	AW	SABESAN et al.; "Combined Chemical and Enzymatic Synthesis of Sialyloligosaccharides and Characterization by 500-MHz ¹ H and C NMR Spectroscopy"; <i>J. Am. Chem. Soc.</i> ; 1986; pp. 2068-2080; Vol. 108.	
X	AX	SALLOWAY et al.; "Miller-Fisher Syndrome Associated with <i>Campylobacter jejuni</i> Bearing Lipopolysaccharide Molecules that Mimic Human Ganglioside GD"; <i>Infect. Immun.</i> ; 1996; pp. 2945-2949; Vol. 64.	

Examiner Signature	<i>S. Nape</i>	Date Considered	9/17/2005
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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.



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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known			
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		Filing Date	December 11, 2003		
		First Named Inventor	Gilbert, Michel		
		Art Unit	1652		
		Examiner Name	Unassigned		
Sheet	3	of	3	Attorney Docket Number	019633-000118US

85	AY	WAKARCHUK et al.; "Functional Relationships of the Genetic Locus Encoding the Glycosyltransferase Enzymes Involved in Expression of the Lacto-N-neotetraose Terminal Lipopolysaccharide Structure in Neisseria meningitidis"; J. Biol. Chem.; 1996; pp. 19166-19173; Vol. 271.	
85	AZ	WOOD et al.; "Cloning, Mutation and Distribution of a Putative Lipopolysaccharide Biosynthesis Locus in Campylobacter Jejuni"; Microbiology; February 1999; pp. 379-388; Vol. 145, No. 2.	
✓	BA	PARKHILL J. ET AL. "The genome sequence of the food-borne pathogen, Campylobacter jejuni reveals hypervariable sequences," Nature, 40 Feb. 2000, 403:665-668. Duplicate	
85	BB	Genbank database Accession No. AL111168 18-JUL-2002 Parkhill et al	85 9/17/2005
85	BC	http://web.archive.org/web/http://www.sanger.ac.uk/Projects/C_jejuni/ Search Results for Jan 01, 1996 - Apr 07, 2004	

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Examiner Signature	<i>Snape</i>	Date Considered	9/17/2005
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